



2814

PATENT  
ATTORNEY DOCKET NO.: 040894-5699

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Takashi NAKAMURA et al.

Application No.: 09/935,639

Filed: August 24, 2001

For: SEMICONDUCTOR DEVICE AND  
METHOD FOR MANUFACTURING  
THE SAME

Group Art Unit: 2814

Examiner: S. Rao

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Commissioner for Patents  
Washington, D.C. 20231

Sir:

**AMENDMENT TRANSMITTAL FORM**

1. Transmitted herewith is an Amendment in response to the Office Action dated December 19, 2002 (Paper No. 10).
2. Additional papers enclosed:

- ☐ Information Disclosure Statement
- ☐ Form PTO-1449, \_\_\_\_\_ references included
- ☐ Citations
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

3. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

☒ Applicants believe that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicants have inadvertently overlooked the need for a petition and fee for extension of time.

☐ Applicants petition for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a), for the total number of months checked below:

<u>Total Months Requested</u>	<u>Fee for Extension</u>	<u>[Fee for Small Entity]</u>
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 410.00	\$ 205.00
<input type="checkbox"/> three months	\$ 930.00	\$ 465.00
<input type="checkbox"/> four months	\$ 1,450.00	\$ 725.00

Extension of time fee due with this request: \$110.00.

If an additional extension of time is required, please consider this a Petition therefor.

☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \$\_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

4. Constructive Petition

☒ EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

5. Fee Calculation (37 C.F.R. §1.16)

CLAIMS AS AMENDED						
	Claims Remaining After Amendment		Highest No. Previously Paid	Present Extra	at Rate of	Total Fees
Total Claims (37 C.F.R. §1.16(c))	44	minus	48	0	x \$18 each=	+ \$0.00
Independent Claims (37 C.F.R. §1.16(b))	9	minus	9	0	x \$84 each=	+ \$0.00
[ ] First presentation of Multiple dependent claim(s)					\$280.00	+ \$0.00
SUB-TOTAL =						\$0.00
Reduction by ½ for filing by a small entity						- \$0.00
TOTAL FEE =						\$0.00

6. Fee Payment

- ☒ No fee is to be paid at this time.
- ☐ Please charge Deposit Account No. 50-0310 the amount of \$\_\_\_\_\_ for the extension of time fee or fee for claims.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, including fees due under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

Dated: March 19, 2003

By: 

Victoria D. Hao

Reg. No. 47,630

**CUSTOMER NO. 09629****MORGAN, LEWIS & BOCKIUS LLP**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 040894-5699

3/26/03  
Hayes  
PATENT

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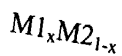
AMENDMENT

In response to the Office Action dated December 19, 2002 (Paper No. 10), the period for response to which extends through March 19, 2003, please amend the above-identified application as follows:

IN THE ABSTRACT:

Kindly amend the abstract as follows.

The present invention is characterized by including an electrode formed on surface of a semiconductor substrate, wherein said electrode includes a barrier layer consisting of amorphous or microcrystal expressed by the following expression:



( $0 < x < 1$ ; M1: Au, Pt, Ir, Pd, Os, Re, Rh, Ru, Cu, Co, Fe, Ni, V, Cr; M2: Ta, Ti, Zr, Hf, W, Y, Mo, Nb).